WHAT IS CLAIMED IS:

1.   A telecommunications method, comprising:

defining one or more system components using a module definition language;

5   defining one or more function parameters for said one or more system components;

implementing the function defined for the system component; and

logging a result of said implementing.

10   2.   A telecommunications method in accordance with claim 1, wherein said defining said one or more system components and said one or more function parameters comprises are implemented on a plurality of systems.

3.   A telecommunications method in accordance with claim 1, wherein said

15   one or more function parameters comprise CPU delay.

4.   A telecommunications method in accordance with claim 1, wherein said one or more function parameters comprise CPU load.

20   5.   A telecommunications system, comprising:

a network;

one or more network devices coupled to said network; and

a modeling system for modeling functions of said network and said one or more network devices, said modeling system adapted to be distributed among said

25   one or more network devices.

6.   A telecommunications system in accordance with claim 5, said modeling system adapted to be distributed among a plurality of said one or more network devices.

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7.   A telecommunications system, in accordance with claim 6, said modeling system adapted to model one or more system components using an XML-based model definition language.

8.   A telecommunications system in accordance with claim 7, said modeling system including one or more modules, each module defining a system component.

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9.   A telecommunications system in accordance with claim 7, wherein said modeling system models system delay.

10.   A telecommunications system in accordance with claim 7, wherein said

10   modeling system models system load.

11.   A telecommunications system, comprising:

a network;

one or more network devices coupled to said network; and

15   a modeling system for modeling functions of said network and said one or more network devices, said modeling system adapted to be distributed among said one or more network devices, said modeling system including an XML-based modeling language for defining models of one or more system components.

20   12.   A telecommunications system in accordance with claim 11, further including a directory defining a name and parameters of other modules being modeled by said system which a given module needs to work with.

13.   A telecommunications system in accordance with claim 12 said

25   modules including a loop module for modeling a non-real-time component.

14.   A telecommunications system in accordance with claim 13, one or more modules defining a CPU load.

30   15.   A telecommunications system in accordance with claim 13, one or more modules defining a system delay.